

User manual

Product name: 2.4G radio system

Model: W_CAN RF_Module

Manufacturer: FrSky Electronic Co., Ltd

Specifications

- Model Name: W_CAN RF_Module
- Dimension: 90mm*27mm*8mm
- Weight: 7.7g

Working description:

1. Micro controller is taking charge of system control, such as frequency hopping, datalink controlling, data flow controlling, and so on.

2. Digital bits are modulated to digital waveforms at 2405MHz ISM band by GFSK

Modulator ADF7242;

3. Main chip STM32F302, Two RF signals are demodulated by ADF7242.

4. Demodulator is frequency hopping, using the same mechanism as the modulator; the signal carrier is hopping 200 times per second in common mode.

5. 30 channels are selected from 2405MHz to 2475MHz, And each time two channels are used for the signal carrier

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The modular can be installed or integrated in mobile or fix devices only. This modular cannot be installed in any portable device .

FCC Radiation Exposure Statement

This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This modular must be installed and operated with a minimum distance of 20 cm between the radiator and user body.

If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: XYFW2410MT Or Contains FCC ID: XYFW2410MT"

When the module is installed inside another device, the user manual of the host must contain below warning statements;

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The devices must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

Any company of the host device which install this modular with limit modular approval should perform the test of radiated emission and spurious emission according to FCC part 15C : 15.247 and 15.209 requirement, Only if the test result comply with FCC part 15C : 15.247 and 15.209 requirement, then the host can be sold legally.